



STIC Search Report

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**TO: Konata M George
Location: CM1/2D14&2D19
Art Unit : 1616
Wednesday, November 26, 2003**

Case Serial Number: 10/086451

**From : Susan Hanley
Location: Biotech-Chem Library
CM1 6B05
Phone: 305-4053**

susan.hanley@uspto.gov

Search Notes

Inventor Search

GEORGE 10/086,451

=> d his

(FILE 'HOME' ENTERED AT 13:28:14 ON 26 NOV 2003)

FILE 'CAPLUS' ENTERED AT 13:28:41 ON 26 NOV 2003

L1 347 S PHILIPPE M7/AU
L2 276 S BERNARD S7/AU
L3 623 S L1-2
L4 7 S L3 AND WRINKLE
SELECT RN L4 1

FILE 'REGISTRY' ENTERED AT 13:29:51 ON 26 NOV 2003

L5 8 S E1-8

FILE 'CAPLUS' ENTERED AT 13:30:19 ON 26 NOV 2003

L6 2 S L4 AND L5

=> d ibib abs hitstr ind 1-2

L6 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2002:693115 CAPLUS

DOCUMENT NUMBER: 137:221793

TITLE: Antiwrinkle cosmetic composition containing a derivative of polyamino acids,

INVENTOR(S): Philippe, Michel; Benard, Sylvie

PATENT ASSIGNEE(S): L'Oreal, Fr.

SOURCE: Eur. Pat. Appl., 13 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1238655	A1	20020911	EP 2002-290454	20020225
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
FR 2821550	A1	20020906	FR 2001-2979	20010305
US 2002155991	A1	20021024	US 2002-86451	20020304
JP 2002255732	A2	20020911	JP 2002-59518	20020305

PRIORITY APPLN. INFO.: FR 2001-2979 A 20010305

AB Antiwrinkle cosmetics contg. polyamino acids are prepd. (Markush structure given). N-carboxyanhydride tyrosine 20, sodium methylate in methanol 0.51 g, and THF 200 mL were mixed and heated for 6 h at 60.degree. to obtain a polyamino acid (yield 96%). Formulation of an antiwrinkle cream contg. 7% of above polyamino acid is disclosed.

IT 462117-51-7P

RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(antiwrinkle cosmetic compn. contg. deriv. of polyamino acids)

RN 462117-51-7 CAPLUS

CN L-Tyrosine, homopolymer, methyl ester (9CI) (CA INDEX NAME)

CM 1

CRN 67-56-1

CMF C H4 O

H3C--OH

CM 2

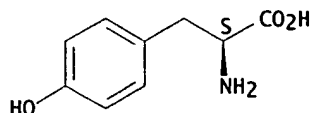
CRN 25619-78-7

CMF (C9 H11 N O3)x
CCI PMS

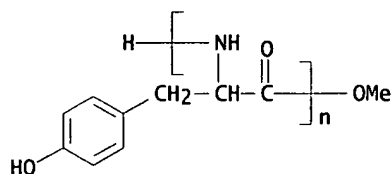
CM 3

CRN 60-18-4
CMF C9 H11 N O3

Absolute stereochemistry. Rotation (-).



IT 457625-03-5P 457625-04-6P 457625-05-7P
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(antiwrinkle cosmetic compn. contg. deriv. of polyamino acids,)
RN 457625-03-5 CAPLUS
CN Poly[imino[(1S)-1-[(4-hydroxyphenyl)methyl]-2-oxo-1,2-ethanediyl]], .alpha.-hydro-.omega.-methoxy- (9CI) (CA INDEX NAME)



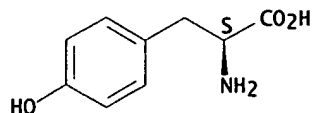
RN 457625-04-6 CAPLUS
CN L-Tyrosine, polymer with N-methylglycine (9CI) (CA INDEX NAME)
CM 1
CRN 107-97-1
CMF C3 H7 N O2

MeNH-CH2-CO2H

CM 2

CRN 60-18-4
CMF C9 H11 N O3

Absolute stereochemistry. Rotation (-).



RN 457625-05-7 CAPLUS
CN L-Tyrosine, polymer with L-lysine and N-methylglycine (9CI) (CA INDEX NAME)
CM 1

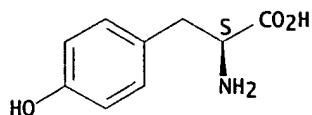
CRN 107-97-1
CMF C3 H7 N O2

MeNH-CH₂-CO₂H

CM 2

CRN 60-18-4
CMF C9 H11 N O3

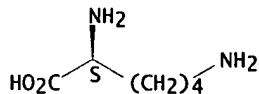
Absolute stereochemistry. Rotation (-).



CM 3

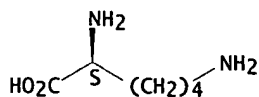
CRN 56-87-1
CMF C6 H14 N2 O2

Absolute stereochemistry.



IT 56-87-1, Lysine, reactions 124-41-4, Sodium methylate
3415-08-5 5840-76-6
RL: RCT (Reactant); RACT (Reactant or reagent)
(antiwrinkle cosmetic compn. contg. deriv. of polyamino acids,)
RN 56-87-1 CAPLUS
CN L-Lysine (9CI) (CA INDEX NAME)

Absolute stereochemistry.



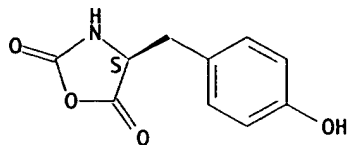
RN 124-41-4 CAPLUS
CN Methanol, sodium salt (8CI, 9CI) (CA INDEX NAME)

H₃C-OH

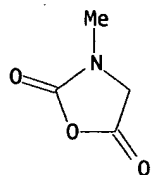
Na

RN 3415-08-5 CAPLUS
CN 2,5-Oxazolidinedione, 4-[(4-hydroxyphenyl)methyl]-, (4S)- (9CI) (CA INDEX NAME)

Absolute stere chemistry.



RN 5840-76-6 CAPLUS
CN 2,5-Oxazolidinedione, 3-methyl- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



IC ICM A61K007-48
CC 62-4 (Essential Oils and Cosmetics)
Section cross-reference(s): 34
ST polyamino acid skin wrinkle cosmetic
IT DNA
Lactalbumins
Protein hydrolyzates
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(antiwrinkle cosmetic compn. contg. deriv. of polyamino acids,)
IT Cosmetics
(creams, wrinkle-preventing; antiwrinkle cosmetic compn.
contg. deriv. of polyamino acids,)
IT Polyamides, biological studies
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological
study); PREP (Preparation); USES (Uses)
(poly(amino acids); antiwrinkle cosmetic compn. contg. deriv. of
polyamino acids,)
IT Proteins
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(soybean; antiwrinkle cosmetic compn. contg. deriv. of polyamino
acids,)
IT Cosmetics
(wrinkle-preventing; antiwrinkle cosmetic compn. contg.
deriv. of polyamino acids,)
IT 462117-51-7P
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological
study); PREP (Preparation); USES (Uses)
(antiwrinkle cosmetic compn. contg. deriv. of polyamino acids)
IT 457625-03-5P 457625-04-6P 457625-05-7P
RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological
study); PREP (Preparation); USES (Uses)
(antiwrinkle cosmetic compn. contg. deriv. of polyamino acids,)
IT 56-87-1, Lysine, reactions 124-41-4, Sodium methylate
3415-08-5 5840-76-6
RL: RCT (Reactant); RACT (Reactant or reagent)
(antiwrinkle cosmetic compn. contg. deriv. of polyamino acids,)
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2003 ACS on STN
ACCESSION NUMBER: 2001:786948 CAPLUS
DOCUMENT NUMBER: 135:322532
TITLE: Use of polyamino acid derivatives for treatment of
seborrhea and related skin disorders

INVENTOR(S): Philippe, Michel; Cupferman, Sylvie
 PATENT ASSIGNEE(S): L'Oreal, Fr.
 SOURCE: Fr. Demande, 17 pp.
 CODEN: FRXXBL
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2804321	A1	20010803	FR 2000-1210	20000128
FR 2804321	B1	20030815		
EP 1123692	A2	20010816	EP 2000-403596	20001219
EP 1123692	A3	20010829		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2001253832	A2	20010918	JP 2001-20137	20010129
US 2001043935	A1	20011122	US 2001-770473	20010129
US 2002164360	A9	20021107		

PRIORITY APPLN. INFO.: FR 2000-1210 A 20000128

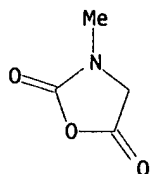
AB Polyamino acid derivs. are prepd. and used for treatment of seborrhea and related skin disorders. A polyamino acid was prepd. by the reaction of N-carboxysarcosine anhydride with oleylamine. The antibacterial activity of the polyamino acid against Propionibacteria was studied. A gel contained above polyamino acid 1, xanthan gum 1, glycerin 2, ethanol 20, ethoxylated propoxylated Bu alc. and ethoxylated hydrogenated castor oil 1, fragrance q.s., and water q.s. 100%.

IT 5840-76-6, N-Carboxysarcosine anhydride

RL: RCT (Reactant); RACT (Reactant or reagent)
 (use of polyamino acid derivs. for treatment of seborrhea and related skin disorders)

RN 5840-76-6 CAPLUS

CN 2,5-Oxazolidinedione, 3-methyl- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



IC ICM A61K031-164

ICS A61K038-04; A61K038-16; A61K031-4164; A61K031-198; A61K031-215; A61K031-195; A61K031-255; A61K031-095; A61K007-02; A61K007-06; A61P017-00

CC 62-4 (Essential Oils and Cosmetics)

ST polyamino acid deriv seborrhea skin disorder

IT Cosmetics

(creams; use of polyamino acid derivs. for treatment of seborrhea and related skin disorders)

IT Cosmetics

(gels; use of polyamino acid derivs. for treatment of seborrhea and related skin disorders)

IT Acne

Seborrhea

(inhibitors; use of polyamino acid derivs. for treatment of seborrhea and related skin disorders)

IT Cosmetics

(lotions; use of polyamino acid derivs. for treatment of seborrhea and related skin disorders)

IT Cosmetics

(moisturizers; use of polyamino acid derivs. for treatment of seborrhea and related skin disorders)

- IT Polyamides, biological studies
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BUU (Biological use, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (poly(amino acids); use of polyamino acid derivs. for treatment of seborrhea and related skin disorders)
- IT Cosmetics
 (sticks; use of polyamino acid derivs. for treatment of seborrhea and related skin disorders)
- IT Drug delivery systems
 (topical; use of polyamino acid derivs. for treatment of seborrhea and related skin disorders)
- IT Antibacterial agents
 Propionibacterium acnes
 Propionibacterium granulosum
 Skin, disease
 Sunscreens
 Suntanning agents
 (use of polyamino acid derivs. for treatment of seborrhea and related skin disorders)
- IT Cosmetics
 (wrinkle-preventing; use of polyamino acid derivs. for treatment of seborrhea and related skin disorders)
- IT 112-90-3, Oleylamine 5840-76-6, N-Carboxysarcosine anhydride
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (use of polyamino acid derivs. for treatment of seborrhea and related skin disorders)
- IT 245354-67-0P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (use of polyamino acid derivs. for treatment of seborrhea and related skin disorders)

=> file reg
 FILE 'REGISTRY' ENTERED AT 14:14:00 ON 26 NOV 2003
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STRUCTURE FILE UPDATES: 25 NOV 2003 HIGHEST RN 620927-08-4
 DICTIONARY FILE UPDATES: 25 NOV 2003 HIGHEST RN 620927-08-4

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

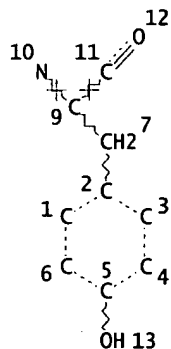
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> d que 126
 L7

STR parent STR



* = ring or chain bond

NODE ATTRIBUTES:
 CONNECT IS E3 RC AT 9
 DEFAULT MLEVEL IS ATOM
 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RSPEC I
 NUMBER OF NODES IS 12

STEREO ATTRIBUTES: NONE

L12 340304 SEA FILE=REGISTRY ABB=ON PLU=ON 46.150.18/RID AND N/ELS AND (NR=1 OR (NR=2 AND NCOC2/ES)) AND O>1 AND (C AND H AND N AND O)/ELS AND 4/ELC.SUB

L17 19235 SEA FILE=REGISTRY SUB=L12 SSS FUL L7 19235
 L23 78191 SEA FILE=REGISTRY ABB=ON PLU=ON PA/PCT
 L24 206 SEA FILE=REGISTRY ABB=ON PLU=ON L23 AND L17
 L25 3 SEA FILE=REGISTRY ABB=ON PLU=ON L24 AND "METHOXY"
 L26 1 SEA FILE=REGISTRY ABB=ON PLU=ON L25 AND N=1

ring



4 elements (C, H, N, O) in cpd
 19235 cpds from parent
 polyimide polymers
 206 cpds are poly-amides
 1 polymer end cap

=> d que 134
 L34

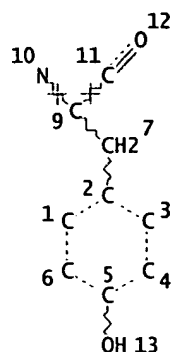
0 SEA FILE=REGISTRY ABB=ON PLU=ON 3415-08-5 /CRN

looking to see if is a polymer component



=> d que 136
L7

STR parent str



NODE ATTRIBUTES:
CONNECT IS E3 RC AT 9
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 12

STEREO ATTRIBUTES: NONE

L12 340304 SEA FILE=REGISTRY ABB=ON PLU=ON 46.150.18/RID AND N/ELS AND
(NR=1 OR (NR=2 AND NCOC2/ES)) AND O>1 AND (C AND H AND N AND
O)/ELS AND 4/ELC.SUB
L17 19235 SEA FILE=REGISTRY SUB=L12 SSS FUL L7
L23 78191 SEA FILE=REGISTRY ABB=ON PLU=ON PA/PCT
L24 206 SEA FILE=REGISTRY ABB=ON PLU=ON L23 AND L17
L25 3 SEA FILE=REGISTRY ABB=ON PLU=ON L24 AND "METHOXY"
L26 1 SEA FILE=REGISTRY ABB=ON PLU=ON L25 AND N=1
L*** ANALYZE PLU=ON L*** 1- RN LNK\$: 2 TERMS
L36 2 SEA FILE=REGISTRY ABB=ON PLU=ON L*** OR L26

← using polylink to find
polymers related to L26

=> s 126 or 134 or 136

L43 2 L26 OR L34 OR L36

2 polymers total

=> file caplus

FILE 'CAPLUS' ENTERED AT 14:15:27 ON 26 NOV 2003
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FILE COVERS 1907 - 26 Nov 2003 VOL 139 ISS 22
FILE LAST UPDATED: 25 Nov 2003 (20031125/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 143

L44 1 L43 1 citation

=> d ibib abs hitstr

L44 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2002:693115 CAPLUS

DOCUMENT NUMBER: 137:221793

TITLE: Antiwrinkle cosmetic composition containing a derivative of polyamino acids,

INVENTOR(S): Philippe, Michel; Benard, Sylvie

PATENT ASSIGNEE(S): L'Oreal, Fr.

SOURCE: Eur. Pat. Appl., 13 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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FR 2821550	A1	20020906	FR 2001-2979	20010305
US 2002155991	A1	20021024	US 2002-86451	20020304
JP 2002255732	A2	20020911	JP 2002-59518	20020305

PRIORITY APPLN. INFO.: FR 2001-2979 A 20010305

AB Antiwrinkle cosmetics contg. polyamino acids are prepd. (Markush structure given). N-carboxyanhydride tyrosine 20, sodium methylate in methanol 0.51 g, and THF 200 mL were mixed and heated for 6 h at 60.degree. to obtain a polyamino acid (yield 96%). Formulation of an antiwrinkle cream contg. 7% of above polyamino acid is disclosed.

IT 462117-51-7P

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RN 462117-51-7 CAPLUS

CN L-Tyrosine, homopolymer, methyl ester (9CI) (CA INDEX NAME)

CM 1

CRN 67-56-1

CMF C H4 O

H₃C-OH

CM 2

CRN 25619-78-7

CMF (C9 H11 N O3)x

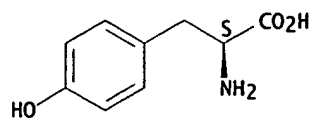
CCI PMS

CM 3

CRN 60-18-4

CMF C9 H11 N O3

Absolute stereochemistry. Rotation (-).

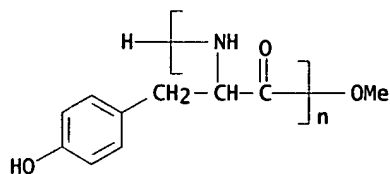


IT 457625-03-5P

RL: COS (Cosmetic use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(antiwrinkle cosmetic compn. contg. deriv. of polyamino acids,)

RN 457625-03-5 CAPLUS

CN Poly[imino[(1S)-1-[(4-hydroxyphenyl)methyl]-2-oxo-1,2-ethanediyl]],
.alpha.-hydro.-omega.-methoxy- (9CI) (CA INDEX NAME)



REFERENCE COUNT:

6

THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT